



MERIT ENERGY COMPANY

## Shoshone 65-42

Plug and Abandonment Procedure Revised 3/28/2022

### Well Information

Field: Circle Ridge  
 County: Fremont County, Wyoming  
 Legal: 1,677' FSL & 2,350' FEL Section 36 T7N R3W  
 Lat/Long: 43.53728, -109.06079  
 API #: 4901306851

Ground level elevation	7,254'	KB Elevation:	7,263'
TD:	1,150'	PBTD:	1,124'
Surface Casing:	None		
Surface Casing Cement:	N/A		
Surface Casing TOC:	N/A	Source:	N/A
Production Casing:	5-1/2" 14.0 #/ft @ 1,149'		
Production Casing Cement	70 sx Stratalite cement through shoe 70 sx Regular through 2 stage at 827'		
Production Casing TOC	362'	Source:	Calculation
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Embar: 854' – 1,114'		
Well Status	Shut In Injector		

**Note:** All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

### Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to PBTD.
3. Set CICR 50' above the top perf @ 804'.
4. Pump 1.5x wellbore volume (55 sx) of cement below CICR.
5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 592').
6. ~~WOC 24 hours.~~ **This step has been deemed to be not necessary and is removed**
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. Perforate circulation hole 200' from surface in production casing.
9. RIH with 2 3/8" 4.9# tubing to 190' below surface and circulate cement to surface outside Production casing through perforation.
10. Pump balanced plug to surface inside production casing.
11. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
12. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

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